



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : J. Chen
Serial No. : 09/905,405
Filed : July 13, 2001
Conf. No. : 6230
Title : COMPOSITIONS AND METHODS FOR THE TREATMENT OF
METABOLIC BONE DISORDERS AND BONE METASTASES

Art Unit : 3764
Examiner : Unknown
Cust. No. : 20985

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith are an Information Disclosure Statement and Forms PTO-1449 (3 pages) pages and cited references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a first office action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 06-1050, as stated below:

☒ The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

Stephanie L. Seidman
Reg. No. 33,779

Dated: May 24, 2004
Attorney Docket No. 17105-024001 (25886-0060)
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN
ACCORDANCE WITH 37 C.F.R. 1.97-1.98

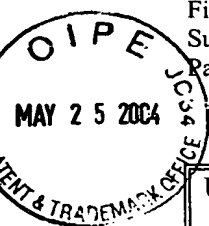
Dear Sir:

Because this Supplemental Information Disclosure Statement is filed before the receipt of a First Office Action on the Merits for the above-captioned application, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §1.97-1.98. Forms PTO-1449 (3 pages) and copies of the cited documents are provided herewith.

The documents cited on the Forms PTO-1449 are in the English language with the exception of Item BI (Fischer et al.). Item BI is in the German language and is provided with an English language translation (Item BE). Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Further to the list provided in the communication filed on November 4, 2003, applicant also makes known to the Examiner the following pending U.S. and International Applications that have one or more common inventors and/or are commonly owned:



U.S.S.N.	Filing Date	Publication or Issue No.	Publication or Issue Date	Docket No.
09/592,150	06/12/00	6,624,187	09/23/03	0049
09/801,163	03/07/01	2002-0128303	09/12/02	0050
10/351,730	01/23/03	2003-0167033	09/04/03	0052
10/410,700	04/08/03	2003-0208249	11/06/03	0055D
10/802,284	03/16/04			0055E
10/091,144	03/04/02	2002-0127224	09/12/02	0066B
10/607,922	06/27/03	2004-0044197	03/04/04	0094
10/613,474	07/02/03	2004-0044198	03/04/04	0095

Int'l App. No.	Filing Date	Publication No.	Publication Date	Docket No.
PCT/US03/02303	01/23/03	WO03061696	07/31/03	0052PC
PCT/US03/20427	06/27/03	WO04002486	01/08/04	0094PC
PCT/US03/21179	07/02/03	WO04005289	01/15/04	0095PC
03010382.4	05/10/03			CHEN0188
PCT/US02/28149	11/25/02	WO03052793	06/26/03	CHEN0187

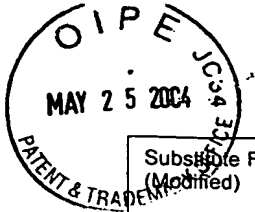
Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and they be made of record in the file history of the above-captioned application.

Respectfully submitted,

Stephanie L. Seidman
Reg. No. 33,779

Dated: May 24., 2004
Attorney Docket No. 17105-024001
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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
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17105-024001
(25886-0060)Application No.
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Information Disclosure Statement**Applicant
J. ChenFiling Date
July 13, 2001Group Art Unit
3764

(37 CFR §1.98(b))

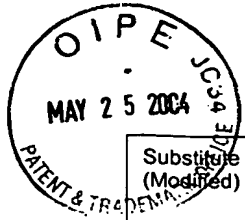
U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A	RE37,180	05/15/01	Mori et al.	514	410	04/29/99
	B	2001/0022970	09/20/01	Dees et al.	424	178.1	03/06/01
	C	2002/0033192	03/21/02	Lindsey et al.	136	263	05/10/01
	D	2002/0128303	09/12/02	Bellnier et al.	514	410	03/07/01
	E	2003/0030342	02/13//03	Chen et al.	310	102	12/13/01
	F	2003/0167033	09/04/03	Chen et al.	604	20	01/23/03
	G	2003/0208249	11/06/03	Chen	607	88	04/08/03
	H	2004/0044197	03/04/04	Pandey et al.	540	140	06/27/03
	I	2004/0044198	03/04/04	Pandey et al.	540	145	06/02/03
	J	4,521,762	06/04/85	Kapral	340	347	12/20/82
	K	4,577,636	03/25/86	Spears	128	654	01/27/84
	L	4,861,876	08/29/89	Kessel	540	145	11/26/86
	M	4,878,891	11/07/89	Judy et al.	604	5	06/25/87
	N	4,925,736	05/15/90	Shikowitz	424	449	07/06/88
	O	4,935,498	06/19/90	Sessler et al.	534	15	03/06/89
	P	4,957,481	09/18/90	Gatenby	604	20	07/03/89
	Q	4,997,639	03/05/91	Aizawa et al.	424	9	11/27/89
	R	5,004,811	04/02/91	Bommer et al.	540	145	12/24/87
	S	5,028,594	07/02/91	Carson	514	23	12/27/88
	T	5,041,078	08/20/91	Matthes et al.	604	4	12/21/89
	U	5,051,415	09/24/91	Moran et al.	514	185	08/02/89
	V	5,053,006	10/01/91	Watson	604	52	04/02/90
	W	5,095,030	03/10/92	Levy et al.	514	410	09/28/89
	X	5,216,012	06/01/93	Morgan et al.	514	410	09/23/91
	Y	5,298,018	03/29/94	Narciso, Jr.	604	21	08/14/92
	Z	5,308,861	05/03/94	Aizawa et al.	514	410	04/29/92
	AA	5,330,741	07/19/94	Smith et al.	424	9	02/24/92
	AB	5,368,841	11/29/94	Trauner et al.	424	9	02/11/93
	AC	5,430,051	07/04/95	Aizawa et al.	514	410	04/19/94
	AD	5,441,531	08/15/95	Zarate et al.	607	90	10/18/93

Examiner Signature

Date Considered

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
17105-024001
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09/905,405**List of Patents and Publications for Applicant's
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(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AE	5,498,710	03/12/96	Pandey et al.	540	145	04/22/94
	AF	5,500,009	03/19/96	Mendes et al.	607	88	09/27/93
	AG	5,534,506	07/09/96	Morgan et al.	514	185	06/20/94
	AH	5,549,660	08/27/96	Mendes et al.	607	088	11/12/92
	AI	5,556,612	09/17/96	Anderson et al.	424	59	03/15/94
	AJ	5,567,409	10/22/96	Aizawa et al.	424	9.363	12/12/94
	AK	5,770,619	07/23/98	Richter et al.	514	410	11/01/95
	AL	5,824,080	10/20/98	Lamuraglia	623	11	09/04/96
	AM	5,832,931	11/10/98	Wachter et al.	128	898	10/30/96
	AN	5,885,557	03/23/99	Lentini	424	59	02/08/96
	AO	5,944,748	08/31/99	Mager et al.	607	88	07/25/97
	AP	5,976,535	11/02/99	Fritzberg et al.	424	182.1	06/06/95
	AQ	5,998,597	12/07/99	Fisher et al.	536	23.1	12/11/97
	AR	6,036,941	03/14/00	Bottiroli et al.	424	9.6	05/11/98
	AS	6,063,777	05/16/00	Hikida et al.	514	183	06/15/99
	AT	6,090,788	07/18/00	Lurie	514	23	06/30/99
	AU	6,107,466	08/22/00	Hasan et al.	530	351	09/24/98
	AV	6,117,862	09/12/00	Margaron et al.	514	185	11/09/98
	AW	6,123,923	09/26/00	Unger et al.	424	9.52	12/18/97
	AX	6,152,951	11/28/00	Hashimoto et al.	607	92	02/17/98
	AY	6,162,242	12/19/00	Peyman	607	88	01/21/99
	AZ	6,187,030	02/13/01	Gart et al.	607	93	11/05/98
	BA	6,624,187	09/23/03	Pandey et al.	514	410	06/12/00
	BB	6,657,351	12/02/03	Chen et al.	310	171	07/20/01

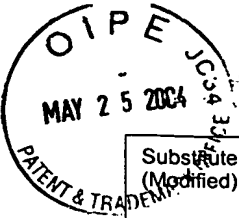
Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	BC	2004/002476 A2	01/08/04	PCT				
	BD	2004/005289 A2	01/15/04	PCT				

Examiner Signature

Date Considered

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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 17105-024001 (25886-0060)		Application No. 09/905,405	
List of Patents and Publications for Applicant's Information Disclosure Statement (37 CFR §1.98(b))				Applicant J. Chen			
				Filing Date July 13, 2001		Group Art Unit 3764	
Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
	BE	Certified English Translation of: Fischer, H. et al., "[On the Bromination of the Esters of Mesoisochlorin e4 and Mesochlorin e6]," <i>Berichte der Deutschen Chemischen</i> 75:1778-1795 (1942)					
	BF	Chen et al., "New directions in photodynamic therapy," <i>ICCP-2. 2nd International Conference on Porphyrins and Phthalocyanines</i> , 2002 30 June - 5 July; Kyoto, Japan: 78 [abstract S-26]					
	BG	Database Crossfire Beilstein, Database Accession No. 4286587 (Reaction ID), for Levinson, E.G. et al., <i>Russ. J. Bioorg. Chem (Engl. Transl.)</i> 21(3):199-203 (1995) in Russian in the <i>Bioorg. Khim.</i> 21(3):230-234 (1995)					
	BH	Derwent English Abstract, Accession No. 1996-475153, citing Russian Patent RU 2054944 C, published February 27, 1996, "Production of purpurin-18 for treatment of tumours – comprises extracting vegetable waste with ethanol, oxidative splitting, degreasing and purifying".					
	BI	Fischer, H. et al., "[On the Bromination of the Esters of Mesoisochlorin e4 and Mesochlorin e6]," <i>Berichte der Deutschen Chemischen</i> 75:1778-1795 (1942)					
	BJ	Haslam et al., "Recent Developments in Methods for the Esterification and Protection of the Carboxyl Group," <i>Tetrahedron</i> 36: 2409-2433 (1980)					
	BK	Li et al., "Application of Ruppert's reagent in preparing novel perfluorinated porphyrins, chlorins and bacteriochlorins", <i>J. Chem. Soc. Perkin Trans 1</i> , 1785-1787 (1999)					
	BL	Patent Abstract of Japan citing Japanese Patent Application JP 09124652, published May 13, 1997, "Porphyrin Derivative and Use Thereof".					
	BM	Smith et al., "Bacteriochlorophylls c from <i>Chloropseudomonas ethylicum</i> . Composition and NMR Studies of the Pheophorbides and Derivatives", <i>Am. Chem. Soc.</i> , 102(7):2437-2448 (1980)					
	BN	Smith et al, "Meso substitution of chlorophyll derivatives: direct route for transformation of bacteriopheophorbides c," <i>J Am Chem Soc</i> 107:4946-54 (1985)					
	BO	Zheng et al., "Chlorin-based symmetrical and unsymmetrical dimers with amide linkages: effect of the substituents on photodynamic and photophysical properties," <i>J. Chem. Soc. Perkins 1</i> , pp.3113-3121 (2000)					

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